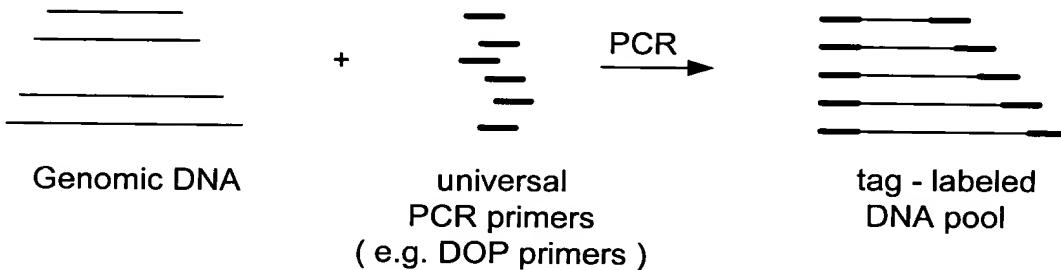
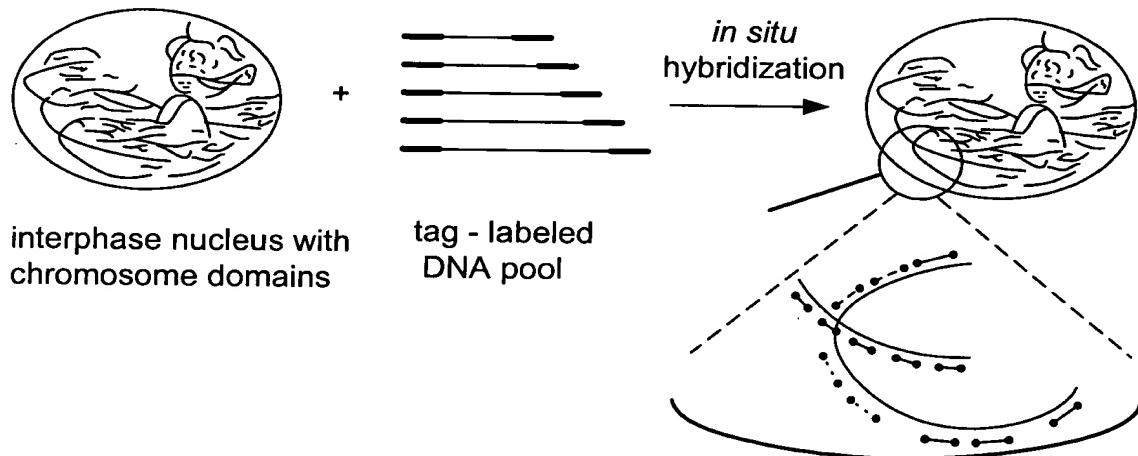


Diagram of "Tagged Genome Hybridization"

- 1.) Preparation of a representative tag - labeled DNA pool from genomic DNA of normal cells by means of a universal PCR method.



- 2.) *In situ* hybridization of interphase nuclei with tag - labeled DNA pool.



- 3.) Universal PCR of the isolated interphase nuclei with identical primers (see step a).

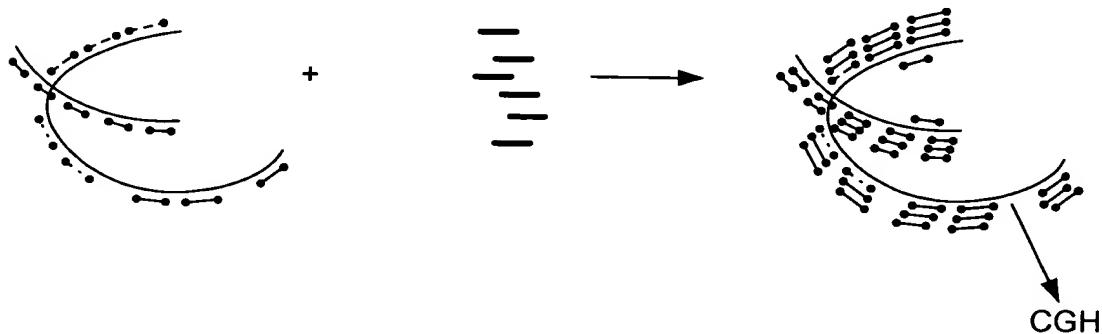


FIG. 1



Detection sensitivity of chromosomal over - representations in Colo 320(HRS) cells following universal PCR (DOP PCR) and CGH

Genomic:
DNA

30 nuclei 10 nuclei 5 nuclei 1 nucleus

= false - positive result

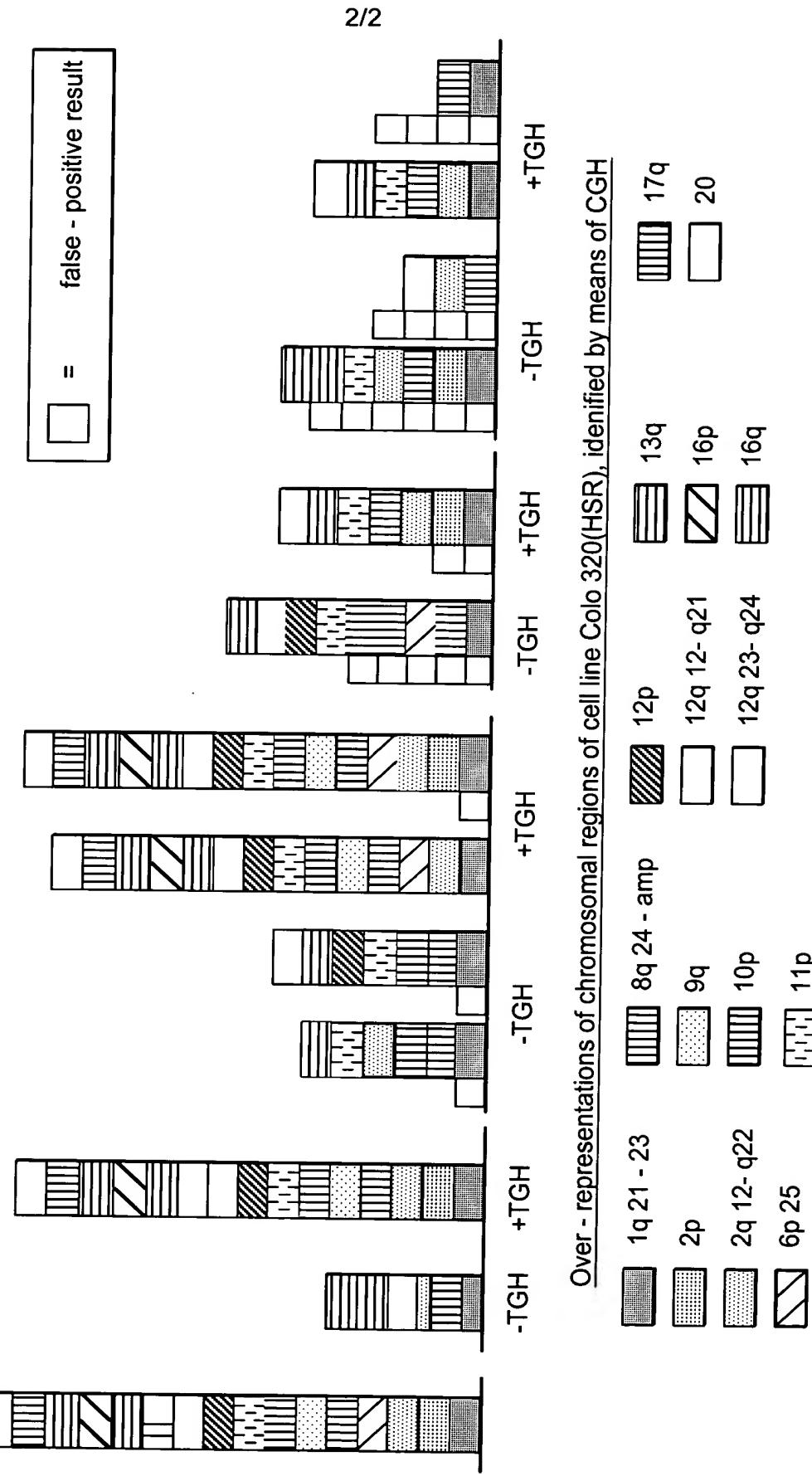


FIG. 2